

ABSTRACT

A transmitting/receiving switch, in which a transmission terminal connected to a transmission circuit is connected to an antenna terminal through a first switching element, a filter for attenuating harmonic contents in a transmission signal, a phase-shift circuit for significantly increasing an impedance from a node toward said transmission terminal in a reception frequency band by phase-adjusting the amount of phase shift by performing phase adjustment according to the amount of the phase shift generated by said filter. Furthermore, the antenna terminal connected to an antenna ANT is connected to a reception terminal through the node and a second switching element, and the reception terminal is connected to a reception circuit Rx.